



NEWS RELEASE

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Curtiss-Wright Defense Solutions Products Honored by 2023 Military & Aerospace Electronics Technology Innovators Awards

***Curtiss-Wright wins four Technology Innovators Awards:
one Platinum, two Gold and one Silver***

ASHBURN, Va. – November 14, 2023 – Curtiss-Wright's [Defense Solutions Division](#) today announced that four of its recently introduced products were recognized as among the year's best by the [2023 Military & Aerospace Electronics Technology Innovators Awards](#). An esteemed and experienced panel of judges from the aerospace and defense community recognized Curtiss-Wright as a Platinum, Gold and Silver honoree.

"We are very proud to again be a leading recipient of Military & Aerospace Electronics Technology Innovators Awards, with four of our industry-leading products selected this year for recognition by the judges," said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. "It is always an honor to be acknowledged for our commitment to serving the aerospace and defense COTS industry as a proven leading supplier of innovative solutions."

"On behalf of the Military & Aerospace Electronics Technology Innovators Awards, I would like to congratulate Curtiss-Wright Defense Solutions on their Platinum, Gold and Silver level honoree status," said Military & Aerospace Electronics Editor in Chief John Keller. "This competitive program

allows Military & Aerospace Electronics to celebrate and recognize the most innovative products impacting the aerospace and defense community this year.”

Curtiss-Wright’s 2023 Technology Innovators Awards winning products and award levels are:

Platinum Honoree:

PacStar Secure Mesh Command Post (SMCP): The PacStar Secure Mesh Command Post (SMCP) is designed for vehicle-mounted mobile command posts. This secure vehicle-to-vehicle tactical communications solution for expeditionary environments meets U.S. military demand for secure warfighter mobility. It provides secure encrypted access to classified networks at the edge of the battlefield. Mesh topologies eliminate the threat of a single point of failure. Unlike hub-and-spoke network architectures, the loss of a single node or access point in a mesh network won’t result in the loss of the entire vehicle-to-vehicle (V2V) network. The PacStar Secure Mesh Command Post is aligned with Commercial Solutions for Classified (CSfC) encryption requirements.

Gold Honorees:

CHAMP-XD4: The rugged CHAMP-XD4 6U VPX processor card is designed for very compute-intensive applications and delivers secure high-speed processing. The SOSA aligned module enables developers of High-Performance Embedded Computing (HPEC) systems to take full advantage of the unmatched performance of today’s leading-edge Intel® Ice Lake D architecture. The CHAMP-XD4 features dual Intel Xeon D-2700 processors and Curtiss-Wright’s 100 Gigabit Fabric100™ technology. It removes data bottlenecks to deliver more than twice the processing capacity and connectivity bandwidth. The CHAMP-XD4 also provides 6x more AI/ML performance and supports higher speed processing with lower latency data sharing.

CHAMP-FX7: Another new member of Curtiss-Wright’s Fabric100 product family, the CHAMP-FX7 is a rugged 6U VPX high-performance, adaptable real-time processing board that incorporates two AMD Versal Premium ASoC processors. Each of the board’s processors has extensive DSP, logic, scalar processor, memory interfaces

and communication resources to support wide bandwidth sensor data. High bandwidth backplane communication through 100 Gbps Ethernet and PCIe Gen4 interfaces removes system-level data bottlenecks for greater system processing performance. With up to 64 channels of onboard 28 Gbps backplane optical fiber interconnects that provide over 200 Gbytes/sec bi-directional data rates between sensors and processors, the SOSA aligned CHAMP-FX7 delivers unparalleled processing speed.

Silver Honoree:

DTS1X: The DTS1X high-speed recorder is a rugged and ready-to-deploy data-at-rest (DAR) network attached storage (NAS) device that supports a 10 GbE interface with removable memory and two layers of encryption. It captures and records incoming data at speeds of 400 MB/s through 10 GbE, 1 GbE and RS-232 interfaces. Network attached file servers, such as the DTS1X, enable network clients to retrieve stored files or save newly captured files. NAS devices provide size, weight and power (SWaP) advantages by eliminating the need for local storage in each individual computer, display, or management device. Network clients can instead use the DTS1X to store sensor or maintenance data and retrieve the latest mission and digital map data. The DTS1X uses removable memory based on industry-standard 2.5" SATA SSDs, enabling the recorder to leverage the SSD industry's technical and economic developments.

The 2023 Military & Aerospace Electronics Technology Innovators Awards Honorees are featured in the following article <https://www.militaryaerospace.com/defense-executive/article/14300564/technology-innovators-awards>.

About Military & Aerospace Electronics

Military & Aerospace Electronics is the leading media resource serving program and project managers, engineering managers, and engineers involved in electronic and electro-optic design for military, space, and aviation applications. Military & Aerospace Electronics magazine delivers time-sensitive news, in-depth analyses, case studies, and real-world applications of new products, industry opinion, and the latest trends in the use of mil-spec, rugged and commercial off-the-shelf components, subsystems, and systems.

About the 2023 Military & Aerospace Electronics Innovators Awards program

The Military & Aerospace Electronics Innovation Awards celebrates the most innovative applications of aerospace and defense electronics technology products and systems. Awards are presented to organizations that demonstrate excellence in the use of a product or system. Submissions are accepted from designers and integrators, and users of military and aerospace electronics systems.

For additional information about Curtiss-Wright MOSA technologies, please visit www.curtisswrightds.com, LinkedIn, and X @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. We leverage a workforce of approximately 8,500 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit www.curtisswright.com.

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